

## Claims

- [c1] A compression method for compressing a file containing tags, information, and code constituted of simple text readable and/or executable by a browser program for display therein, said technique comprising the steps of analyzing the file for the number of instances of particular segments of text, replacing the most commonly occurring segments with control codes specific to that matter being replaced to create a compression string of uncompressed textual matter and control codes, and creating look-up table means for facilitating the recognition and replacement of the control codes during subsequent expansion of the compression string.
- [c2] A method according to claim 1 wherein the compression string is repackaged in an output file having at least one pair of tags readable and/or executable by a browser.
- [c3] A method according to claim 2 wherein the look-up table means is additionally repackaged in the output file.
- [c4] A method according to claim 3 wherein the repackaging of the compression string and the look-up table means in the output file is accompanied by the insertion of a browser executable expansion routine which expands the compression string.
- [c5] A method according to claim 4 wherein the compression string and the look-up string are provided in the form of variable definitions to the browser.
- [c6] A method according to claim 5 wherein the output file consists only of initialization and termination tags, immediately followed and preceded with script identifying tags which bound the compression string, the look-up string, and the browser executable expansion routine.
- [c7] A method according to claim 6 wherein said method is performed on a text markup file that can be read by a suitable computer browser program.
- [c8] A compression string derived from a file containing tags, information, and code constituted of simple text readable and/or executable by a browser program for

display therein, said string resulting from an analysis of the file for the number of instances of particular segments of text followed by a replacement of the most commonly occurring segments with control codes specific to that matter being replaced, said compression string comprising uncompressed textual matter and control codes.

- [c9] A compression string according to claim 8 when provided together with look-up table means for facilitating the recognition and replacement of the control codes during subsequent expansion of the compression string.
- [c10] An expansion technique for creating a computer browser program readable file containing tags, information and code constituted of simple text readable and/or executable by said browser program for display therein, constituting the steps of consecutively analyzing each character or group of characters of a compression string consisting at least of uncompressed textual matter and control codes, replacing control codes within the compression string with textual matter corresponding to the particular control code as contained in look-up means to create a string of textual matter interpretable by a browser, and outputting said resulting textual matter for display by said browser.
- [c11] A technique according to claim 10 wherein the output of textual matter occurs simultaneously with the expansion of the compression string.
- [c12] A technique according to claim 11 wherein the executable code within the browser readable file is implemented in JavaScript <sup>TM</sup>.
- [c13] A technique according to claim 12 wherein the executable code within the browser readable file is implemented in YB Script <sup>TM</sup>.

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